

**TRILINK®**

**twes**

# Build Board

Product Manual



[www.whtwes.com](http://www.whtwes.com)

# Application



- 1.Roof
- 2.Floor slab
- 3.External Wall
- 4.Stair Partition
- 5.Shower system waterproof
- 6.Interior partition wall
- 7.Radiant floor heating
- 8.Ground moisture barrier

# Product Advantages

## Waterproofing & Mould Resistant

Excellent waterproof and corrosion-resistant for use in the wet environments.

## Lightweight

Weight only is 1/3 the weight of gypsum board of the same thickness and size. The board is easy to carry and lift.

## Easy to cut & Install

It can be cut with a utility knife and DIY at home easily.

## Thermal Insulation

It can reducing heat and temperature loss, saving on the cost of electricity required for indoor heating and cooling.

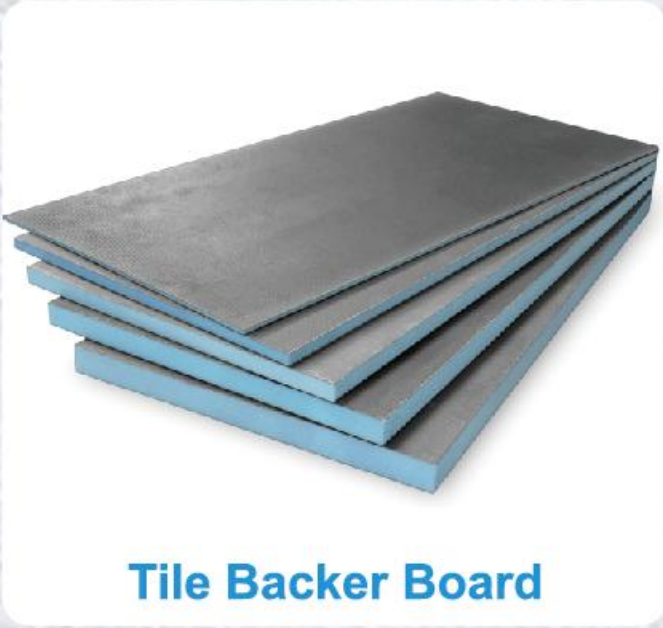
## Environmental Friendly

Our board cores are made from 100% virgin raw materials and foamed with CO2. Waste products can be collected for recycling.

# Technical Data

|                                                       |                    |
|-------------------------------------------------------|--------------------|
| Density of XPS foam core                              | 33 (±1) kg/m³      |
| Water absorption(96h immersion)                       | ≤1.5%              |
| Compressive strength(10% deflection)                  | ≥450kPa            |
| Thermal Conductivity                                  | 0.030W/(m*k)       |
| Thermal Resistance                                    | 0.85 (m2*K)/W      |
| Reaction to Fire                                      | Class E/Customized |
| Substances of Very High Concern(SVHC)                 | Pass               |
| Bending Strength (Mpa)                                | ≥2.8               |
| Tensile Strength Perpendicular to Faces (Mpa)         | ≥0.2               |
| Determination of Dimensional Stability % (70±2°C) 48h | ≤1.5%              |

Main Products (Customizable)



Tile Backer Board



Shower Tray



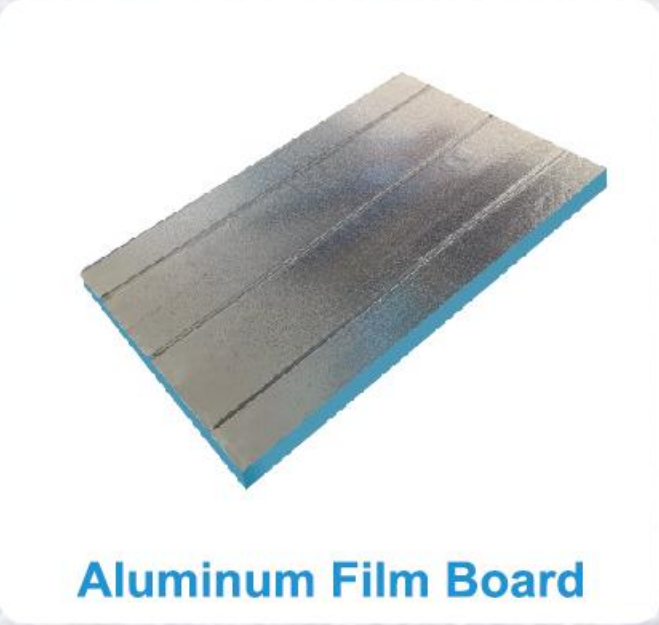
Shower Niche



Toilet Backer Board



Grooved Board



Aluminum Film Board



XPS Underfloor Mat



Curved Board

Product Specification

| European/UK size |                |               | North American Size          |                 |                    |
|------------------|----------------|---------------|------------------------------|-----------------|--------------------|
| Width(mm)        | Length(mm)     | Thickness(mm) | Width(inch/mm)               | Length(inch/mm) | Thickness(inch/mm) |
| 600/900/1200     | 1200/1250/2600 | 6             | 36"(914)                     | 60"(1524)       | 1/4"(6.0)          |
|                  |                | 10            |                              |                 | 1/2"(12.5)         |
|                  |                | 12.5          |                              |                 | 5/8"(16)           |
|                  |                | 20            |                              |                 | 1"(25)             |
|                  |                | 30            | 48"(1220)                    | 96"(2440)       | 1/2"(12.5)         |
|                  |                | 40            |                              |                 | 5/8"(16)           |
|                  |                | 50            | 24"(610)                     | 96"(2440)       | 2"(51)             |
|                  |                | 60            |                              |                 |                    |
|                  |                | 80            |                              |                 |                    |
|                  |                | 100           | The Sizes Can Be Customized. |                 |                    |

Other Products



Washers and Screws



Self-adhesive Tape



Silicone Sealent



Fiberglass Mesh Tape



Shower Bench



External/Internal Corner



Leveling System



Waterproof Tape



Pipe Collars



Uncoupling Membrane



## About Us

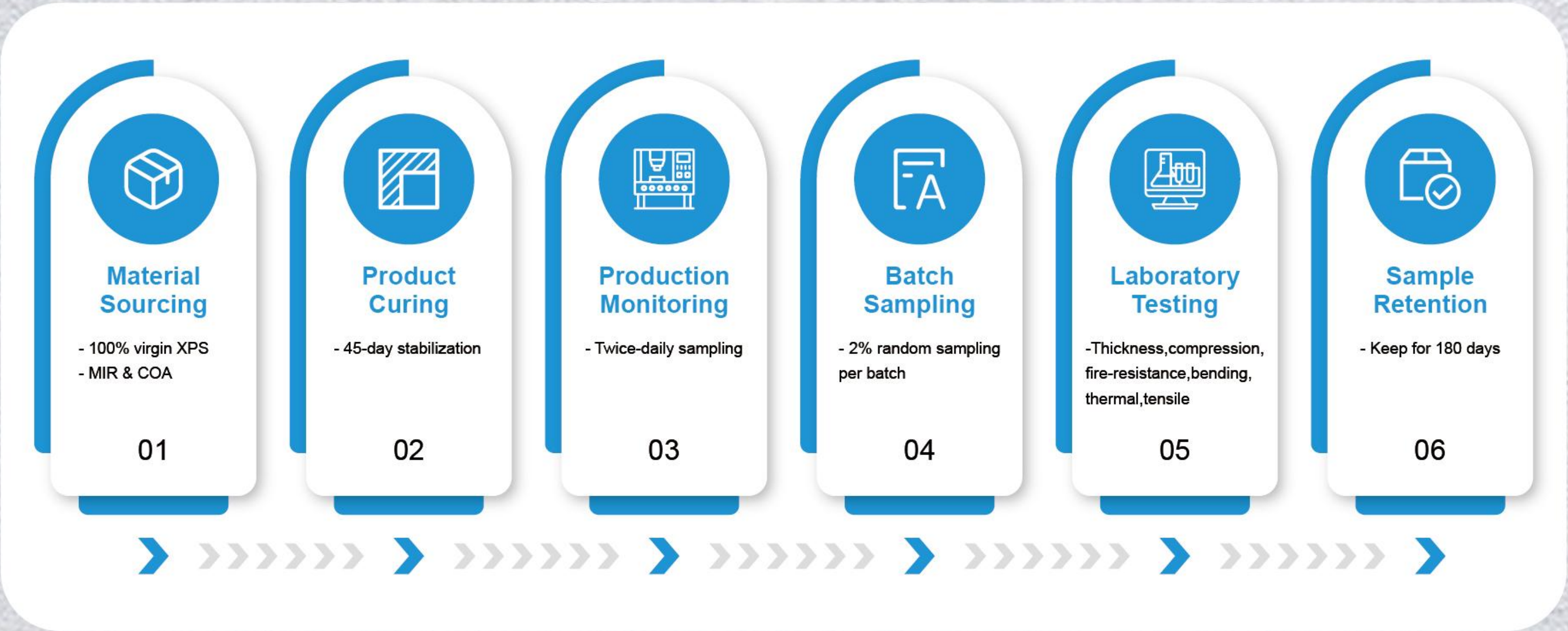
Tri Link Twes – Global Leader in Advanced Waterproofing & Insulation Solutions. Established in 2005 and headquartered in Wuhan, China, with a modern manufacturing facility in Suqian, Jiangsu Province, we combine 20 years of specialized expertise with cutting-edge R&D to deliver high-performance building material solutions.

## Application of Fully Automated Production Lines

- 1-High output capacity - 500,000 m<sup>2</sup> XPS foam core / 1.5 million m<sup>2</sup> wall board annually.
- 2-Competitive pricing - lower production costs due to automation.
- 3-Prompt lead time - stable production flow, no delays from labor shortages.
- 4-Stable and uniform quality - mechanisation reduces the impact of human intervention.
- 5-Sustainable supply capability - no delays from labor shortages

## End-to-End Quality Control

- 1-German-Formulated Materials - 100% virgin XPS, 20-year specialization.
- 2-Vertical Production - Full-process in-house with multi-stage QC.
- 3-Traceability & Compliance - Blockchain batch tracking + 180-day samples.
- 4-Global Certifications - CE/UKCA/ICC
- 5-Ethical Systems - ISO 9001 + SMETA-4P audited.



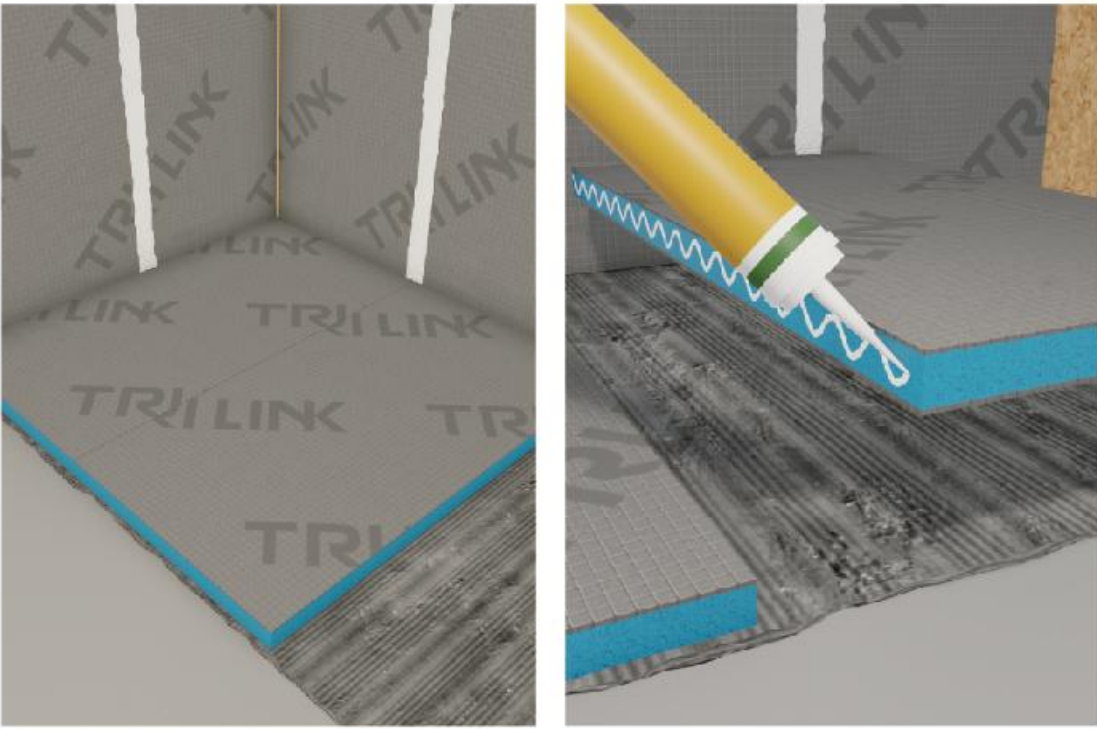
Ground Installation Process

**Material:**Tri Link Twes backer board, Fibreglass mesh tape, Cement mortar, Waterproof adhesive.

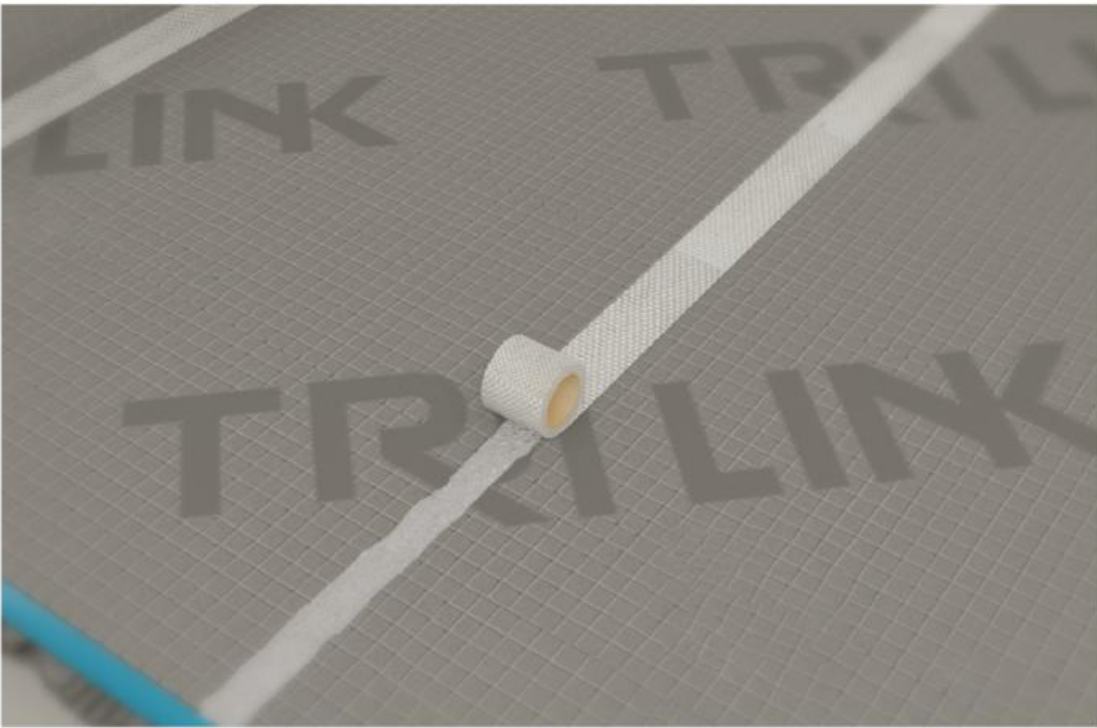
**Before installation:** Please make sure the concrete floor is level, clean and free from dust and oil.

**Installation:**

Apply cement mortar evenly on the solid ground, paying attention to the waterproofing adhesive on the side of each tile backing where it meets, stick the tile backing neatly on the floor in turn, and wait for the cement mortar and waterproofing adhesive to dry and the tile backing to be fixed.



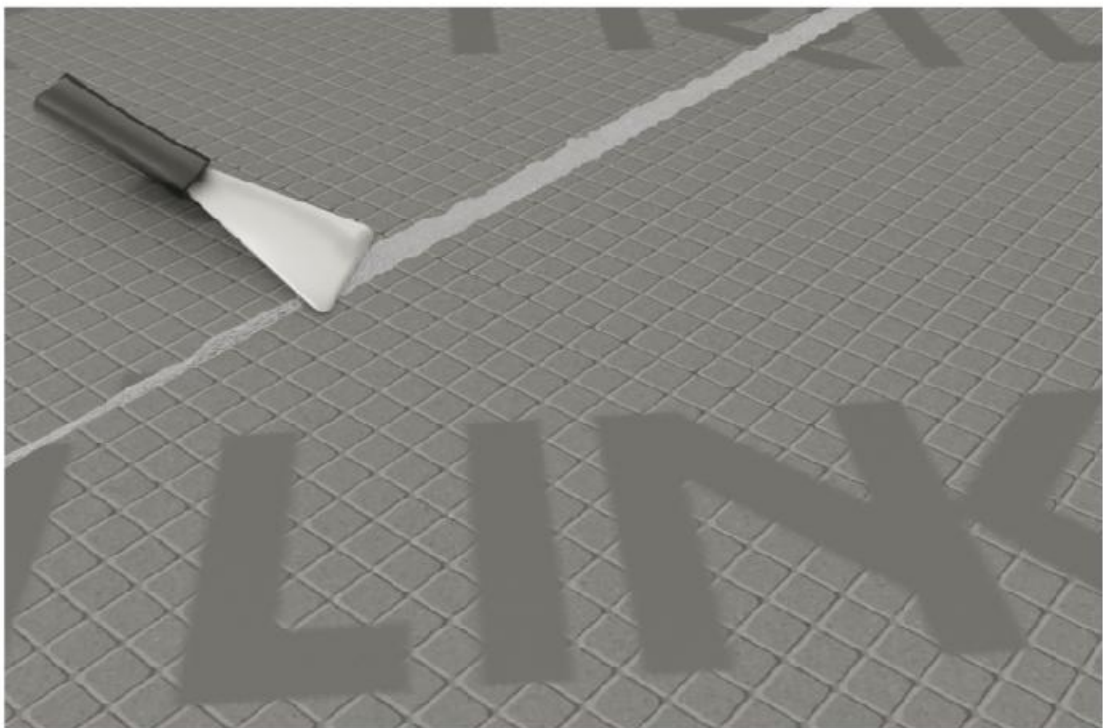
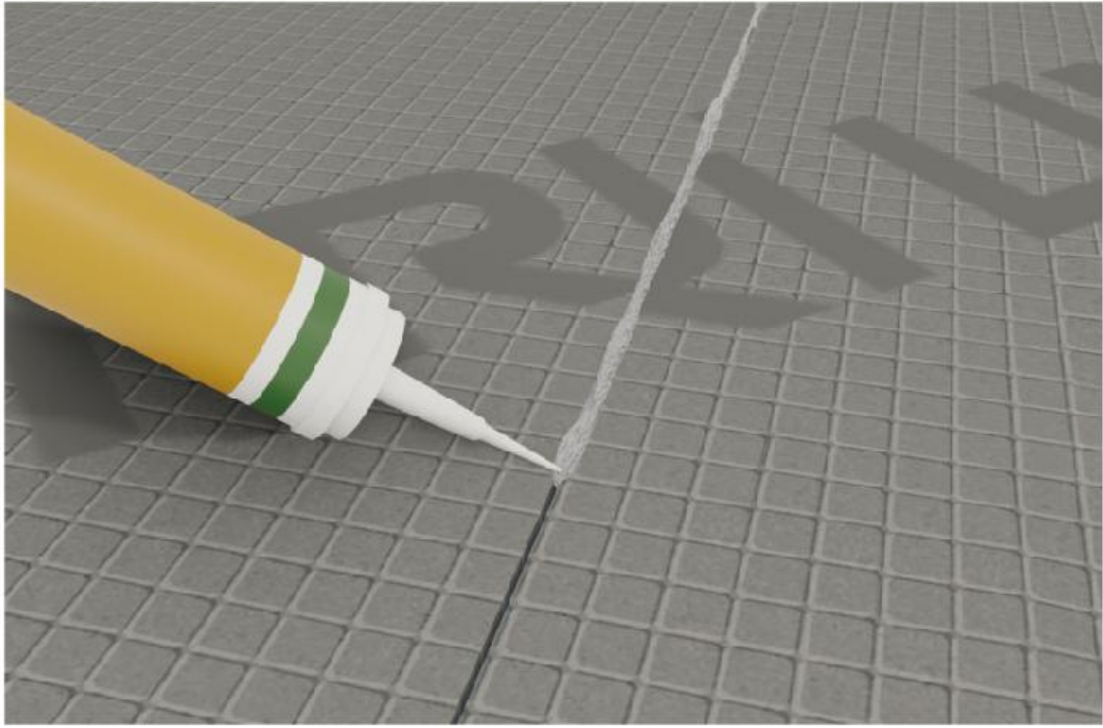
Apply fibreglass mesh tape to the joints.



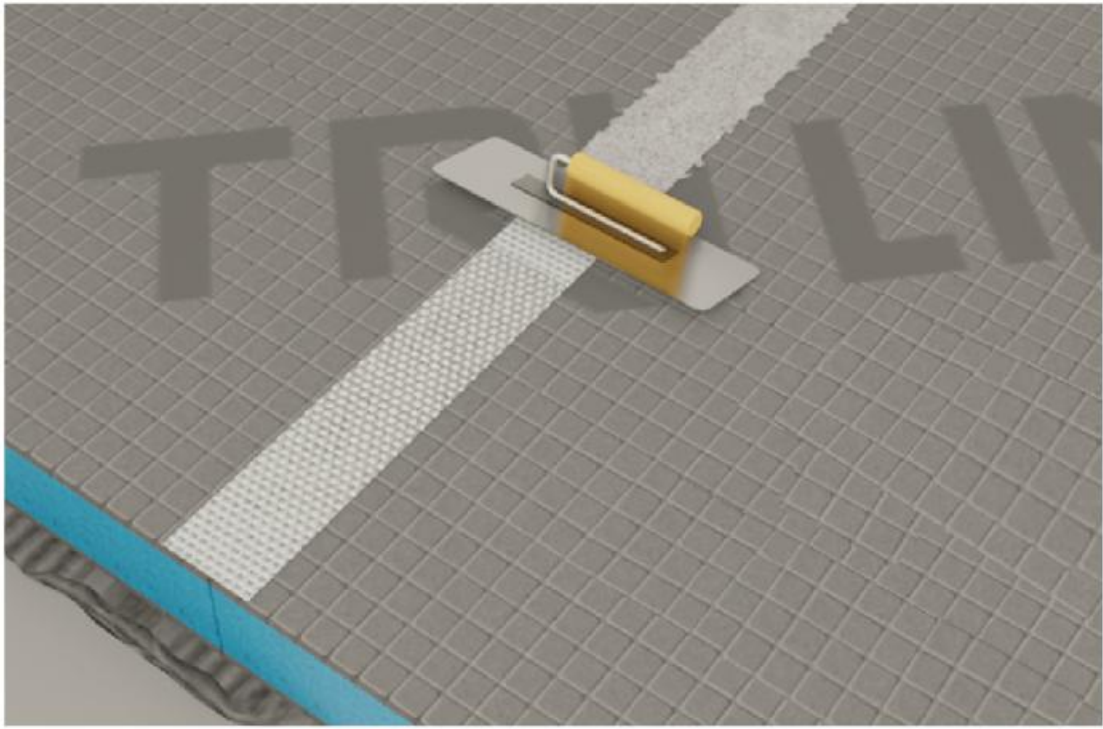
Wait for the waterproofing agent and the waterproofing soil to dry, then apply cement mortar to the tile backer to tiling.



Apply waterproof adhesion to the joints of each tile backer board and smooth out the spillage evenly.



Reinforce the fibreglass mesh with waterproofing coating.





## Wuhan Tri Link Twes New Material Co., Ltd.

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